

grateful citation report

R packages used

Package	Version	Citation
base	4.1.0	R Core Team (2021)
broom.mixed	0.2.9.4	Bolker and Robinson (2022)
BTM	0.3.6	Wijffels (2021a)
countrycode	1.4.0	Arel-Bundock, Enevoldsen, and Yetman (2018)
ggforce	0.3.3	Pedersen (2021)
ggpubr	0.4.0	Kassambara (2020)
ggrepel	0.9.1	Slowikowski (2021)
gridExtra	2.3	Auguie (2017)
Hmisc	4.7.0	Harrell Jr (2022)
lda	1.4.2	Chang (2015)
ldatuning	1.0.2	Nikita (2020)
lme4	1.1.27	Bates et al. (2015)
MetBrewer	0.1.0	Mills (2022)
quanteda	3.0.0	Benoit et al. (2018)
renv	0.17.3	Ushey (2023)
rio	0.5.26	Chan et al. (2021)
stm	1.3.6	Roberts, Stewart, and Tingley (2019)
stringi	1.7.12	Gagolewski (2022)
texreg	1.37.5	Leifeld (2013)
textmineR	3.0.5	Jones (2021)
tidylog	1.0.2	Elbers (2020)
tidytext	0.3.1	Silge and Robinson (2016)
tidyverse	1.3.1	Wickham et al. (2019)
topicmodels	0.2.12	Grün and Hornik (2011)
tsibble	1.1.1	Wang, Cook, and Hyndman (2020)
udpipe	0.8.8	Wijffels (2021b)
vdemdata	3.0	Maerz et al. (2021)

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We used R version 4.1.0 (R Core Team 2021) and the following R packages: broom.mixed v. 0.2.9.4 (Bolker and Robinson 2022), BTM v. 0.3.6 (Wijffels 2021a), countrycode v. 1.4.0 (Arel-Bundock, Enevoldsen, and Yetman 2018), ggforce v. 0.3.3 (Pedersen 2021), ggpubr v. 0.4.0 (Kassambara 2020), ggrepel v. 0.9.1 (Slowikowski 2021), gridExtra v. 2.3 (Auguie 2017), Hmisc v. 4.7.0 (Harrell Jr 2022), lda v. 1.4.2 (Chang 2015), ldatuning v. 1.0.2 (Nikita 2020), lme4 v. 1.1.27 (Bates et al. 2015), MetBrewer v. 0.1.0 (Mills 2022), quanteda v. 3.0.0 (Benoit et al. 2018), renv v. 0.17.3 (Ushey 2023), rio v. 0.5.26 (Chan et al. 2021), stm v. 1.3.6 (Roberts, Stewart, and Tingley 2019), stringi v. 1.7.12 (Gagolewski 2022), texreg v. 1.37.5 (Leifeld 2013), textmineR v. 3.0.5 (Jones 2021), tidylog v. 1.0.2 (Elbers 2020), tidytext v. 0.3.1 (Silge and Robinson 2016), tidyverse v. 1.3.1 (Wickham et al. 2019), topicmodels v. 0.2.12 (Grün and Hornik 2011), tsibble v. 1.1.1 (Wang, Cook, and Hyndman 2020), udpipe v. 0.8.8 (Wijffels 2021b), vdemdata v. 3.0 (Maerz et al. 2021).

Package citations

- Arel-Bundock, Vincent, Nils Enevoldsen, and CJ Yetman. 2018. “countrycode: An r Package to Convert Country Names and Country Codes.” *Journal of Open Source Software* 3 (28): 848. <https://doi.org/10.21105/joss.00848>.
- Auguie, Baptiste. 2017. *gridExtra: Miscellaneous Functions for “Grid” Graphics*. <https://CRAN.R-project.org/package=gridExtra>.
- Bates, Douglas, Martin Mächler, Ben Bolker, and Steve Walker. 2015. “Fitting Linear Mixed-Effects Models Using lme4.” *Journal of Statistical Software* 67 (1): 1–48. <https://doi.org/10.18637/jss.v067.i01>.
- Benoit, Kenneth, Kohei Watanabe, Haiyan Wang, Paul Nulty, Adam Obeng, Stefan Müller, and Akitaka Matsuo. 2018. “quanteda: An r Package for the Quantitative Analysis of Textual Data.” *Journal of Open Source Software* 3 (30): 774. <https://doi.org/10.21105/joss.00774>.
- Bolker, Ben, and David Robinson. 2022. *broom.mixed: Tidying Methods for Mixed Models*. <https://CRAN.R-project.org/package=broom.mixed>.
- Chan, Chung-hong, Geoffrey CH Chan, Thomas J. Leeper, and Jason Becker. 2021. *rio: A Swiss-Army Knife for Data File i/o*.
- Chang, Jonathan. 2015. *lda: Collapsed Gibbs Sampling Methods for Topic Models*. <https://CRAN.R-project.org/package=lda>.
- Elbers, Benjamin. 2020. *tidylog: Logging for “dplyr” and “tidyr” Functions*. <https://CRAN.R-project.org/package=tidylog>.
- Gagolewski, Marek. 2022. “stringi: Fast and Portable Character String Processing in R.” *Journal of Statistical Software* 103 (2): 1–59. <https://doi.org/10.18637/jss.v103.i02>.
- Grün, Bettina, and Kurt Hornik. 2011. “topicmodels: An R Package for Fitting Topic Models.” *Journal of Statistical Software* 40 (13): 1–30. <https://doi.org/10.18637/jss.v040.i13>.
- Harrell Jr, Frank E. 2022. *Hmisc: Harrell Miscellaneous*. <https://CRAN.R-project.org/package=Hmisc>.
- Jones, Tommy. 2021. *textmineR: Functions for Text Mining and Topic Modeling*. <https://CRAN.R-project.org/package=textmineR>.
- Kassambara, Alboukadel. 2020. *ggpubr: “ggplot2” Based Publication Ready Plots*. <https://CRAN.R-project.org/package=ggpubr>.
- Leifeld, Philip. 2013. “texreg: Conversion of Statistical Model Output in R to LaTeX and HTML Tables.” *Journal of Statistical Software* 55 (8): 1–24. <http://dx.doi.org/10.18637/jss.v055.i08>.
- Maerz, Seraphine, Amanda Edgell, Sebastian Hellmeier, and Nina Ilchenko. 2021. “Vdemdata - an R package to load, explore and work with the most recent V-Dem (Varieties of Democracy) and V-Party datasets.” Varieties of Democracy (V-Dem) Project. <https://www.v-dem.net/en/>.
- Mills, Blake Robert. 2022. *MetBrewer: Color Palettes Inspired by Works at the Metropolitan Museum of Art*.
- Nikita, Murzintcev. 2020. *ldatuning: Tuning of the Latent Dirichlet Allocation Models Parameters*. <https://CRAN.R-project.org/package=ldatuning>.
- Pedersen, Thomas Lin. 2021. *ggforce: Accelerating “ggplot2”*. <https://CRAN.R-project.org/package=ggforce>.
- R Core Team. 2021. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.
- Roberts, Margaret E., Brandon M. Stewart, and Dustin Tingley. 2019. “stm: An R Package for Structural Topic Models.” *Journal of Statistical Software* 91 (2): 1–40. <https://doi.org/10.18637/jss.v091.i02>.
- Silge, Julia, and David Robinson. 2016. “tidytext: Text Mining and Analysis Using Tidy Data Principles in r.” *JOSS* 1 (3). <https://doi.org/10.21105/joss.00037>.
- Slowikowski, Kamil. 2021. *ggrepel: Automatically Position Non-Overlapping Text Labels with “ggplot2”*. <https://CRAN.R-project.org/package=ggrepel>.
- Ushey, Kevin. 2023. *renv: Project Environments*. <https://CRAN.R-project.org/package=renv>.
- Wang, Earo, Dianne Cook, and Rob J Hyndman. 2020. “A New Tidy Data Structure to Support Exploration and Modeling of Temporal Data.” *Journal of Computational and Graphical Statistics* 29 (3): 466–78. <https://doi.org/10.1080/10618600.2019.1695624>.
- Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D’Agostino McGowan, Romain François, Garrett Grolemond, et al. 2019. “Welcome to the tidyverse.” *Journal of Open Source Software*

- 4 (43): 1686. <https://doi.org/10.21105/joss.01686>.
- Wijffels, Jan. 2021a. *BTM: Biterm Topic Models for Short Text*. <https://CRAN.R-project.org/package=BTM>.
- . 2021b. *udpipe: Tokenization, Parts of Speech Tagging, Lemmatization and Dependency Parsing with the “UDPipe” “NLP” Toolkit*. <https://CRAN.R-project.org/package=udpipe>.